

APPLICANT(S): MERON, Gavriel et al  
SERIAL NO.: 10/046,541  
FILED: January 16, 2002  
Page 2

RECEIVED  
CENTRAL FAX CENTER  
NOV 05 2007

### AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-50. (Cancelled)

51. (Currently Amended) An in vivo device having a front end and a rear end, said device comprising:

a plurality of optical windows, at least one optical window at the front end and at least one optical window at the rear end, each window covering at least [[an]] a plurality of illumination sources and an imager, said optical windows facing different directions.

52. (cancelled)

53. (Previously Presented) The device according to claim 51 wherein each window is dome shaped.

54. (Previously Presented) The device according to claim 51 comprising a lens positioned behind the optical windows.

55. (Previously Presented) The device according to claim 51 comprising a lens positioned between an imager and an optical window.

56. (cancelled)

57. (Currently Amended) The device according to claim 51 comprising a transmitter to transmit signals from the imager to a receiver external to a patient's body.

58. (Previously Presented) The device according to claim 57 wherein the transmitter transmits over a single channel.

59. (Previously Presented) The device according to claim 57 wherein the transmitter transmits over multiple channels.

60. (Previously Presented) The device according to claim 51 wherein the device is capsule shaped.

61. (cancelled)

62. (cancelled)

APPLICANT(S): MERON, Gavriel et al  
SERIAL NO.: 10/046,541  
FILED: January 16, 2002  
Page 3

63. (Currently Amended) A method for in vivo imaging of a body lumen, the method comprising the steps of:

illuminating in vivo sites from behind at least two optical windows;

obtaining images of the in vivo sites from each of the at least two optical windows, there being covered by each optical window at least an imager and an a plurality of illumination sources; and

transmitting the images ~~signals from within the~~ to a receiver external to the body lumen.

64. (Previously Presented) The method according to claim 63 comprising the step of illuminating the in vivo sites from different directions.

65. (Previously Presented) The method according to claim 63 comprising obtaining images of the in vivo sites from at least two imagers.

66. (Previously Presented) The method according to claim 63 comprising obtaining images from a front and from a rear of an in vivo imaging device.

67. (Previously Presented) The method according to claim 63 comprising transmitting signals over a radio channel.

68 - 71. (cancelled)